

Floods Caused by Tropical Systems: Passaic River at Pine Brook

Latitude: 40.863

Period of Record: 1903-Present

Longitude: -74.322

Flood Stage: 19 ft

Last Flood: 2/26/2016

Number of Floods: 68

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/30/2011	24.12	7,110	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
9/9/2011	21.73	6,140	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
9/18/1999	20.78	4,400	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
9/27/1975	19.74	2,920	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.
9/24/1938	19.40	-9,999	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
10/10/2005	19.07	2,930	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.

Drainage Area: 349 sq mi

Tropical information before 1940 is limited.

County of Gage: Morris

Gage Datum: 149.26 ft MSL

Passaic Basin

County of Forecast Point: Morris

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